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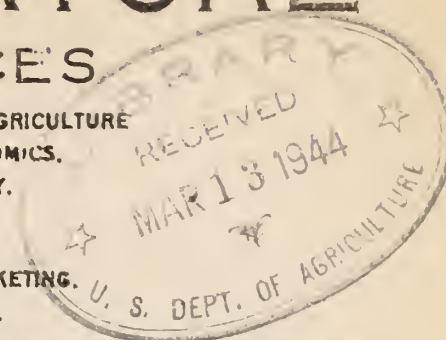
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COTTON LITERATURE

SELECTED REFERENCES

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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

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PRODUCTIONGeneral

Association cotonnière coloniale. Journée internationale du coton, 26 Juin 1931. Paris [1931] 64 p. illus.

International cotton day, June 26, 1931. [Exposition coloniale internationale]

Papers presented at meeting for study of colonial cotton culture during International Cotton Congress.

Contents.-La crise de la culture du coton au Congo belge, by Edm. Leplae: p.15-18.-Développement de la culture du coton et des recherches cotonnières en Afrique, by W.J. Lugard: p.19-29.-Rapport de l'association cotonnière coloniale, by M. Hesling: p. 30-32.-La culture du coton dans les colonies italiennes, by G. Mylius: p.33-37.-Caractères technologiques des cotons de la Somalie italienne et de l'Erythrée, by Camillo Levi: p.38-42.-La chloropicrine pour le déparasitage des graines de coton, by J. Lévy: p.43-47.-La culture du cotonnier dans les colonies italiennes, by Armando Maugini: p.47-64.

India. Sind. Dept. of agriculture. Annual report for the year 1930-31. 1932. 92 p.

Cotton breeding, cultivation, etc.: p.15-19, 43-46, 49, 54-58, 69-70, etc.

Botany

Pankrat'eva-Glagoleva, A.F. Razvitie khlopchatnika v rastvorakh s povyshennoi konsttsentratsiei solei: vegetatsionnye opyty 1926 i 1927 g.g. Moskva, 1932. 24 p. tables. (Scientific research institute of cotton culture and industry [NIKHI])

Growth of the cotton plant in solutions with a higher concentration of sodium chloride.

English summary: p.23-24.

"In experiments at Tashkent in 1926-27, the addition of sodium chloride to give a concentration of 0.37 per cent, or more greatly reduced the growth of cotton in Hellriegel's culture solutions and in sand cultures."-Empire Cotton Growing Review, v.9, no.4, Oct. 1932, p.322.

Rea, Homer E. Callusing and rooting of cotton stem cuttings. Plant Physiology, v. 7, Oct. 1932, p.733-737. (Published at Lancaster, Pa.)

Bibliographical footnotes.

Youssef, A. A preliminary note on the physiological and genetic aspects of hair properties in Egyptian cottons. Cairo, 1932. 19 p. illus. (Egypt. Ministry of agriculture. Tech. and sci. serv. bul. 123)

Genetics

Darlington, C. D. Chromosomes and plant-breeding. London, Macmillan and co., ltd., 1932. 112 p. illus. Chap. XII. Polyploid species: p. 72-82, includes mention of cotton.

Reviewed by C. C. Hurst in Empire Cotton Growing Review, v. 9, no. 4, Oct. 1932, p. 339-340.

Emme, E. K. Obzor literatury po genetika khlopchatnika. Bulletin of Applied Botany, of Genetics and Plant-Breeding, v. 26, no. 5, 1931, p. 129-178. (Published by Institute of Plant Industry, Leningrad, U.S.S.R.)

Review of literature on the genetics of cotton.

"A rather complete bibliographical survey of cotton genetics in all countries."—Empire Cotton Growing Review, v. 9, no. 4, Oct. 1932, p. 342.

Firor, J. W. Farm relief cotton. Country Gentleman, v. 102, no. 11, Nov. 1932, p. 59. (Published by Curtis Publishing Co., Philadelphia, Pa.)

A new variety developed in the Southeast has been named "Farm Relief" cotton. It is weevil-resisting and has fiber of medium length.

India. Burma. Dept. of agriculture. Report... for the year ended the 31st March 1932. Rangoon, Supt. govt. print.. 1932. 35 p. tables, maps.

Cotton variety experiments: p. 20.

Khandesh cotton breeding plan. Cotton Trade Journal, v. 12, no. 47, Nov. 26, 1932, p. 2. (Published at New Orleans, La.)

Results of studies by the Indian Central Cotton Committee begun in October 1926 on comparative tests between Banilla cotton (a cross between Bani and Comilla) and the standard variety N.R.

Kottur, G. L., and Dharwar, S. M. C. The value of local varieties in plant breeding and the danger of losing them. Poona Agricultural College Magazine, v. 24, no. 2, Sept. 1932, p. 19-25. (Published at Poona City, India.)

Cotton: p. 21-22.

Peregundov, V. Mathematical study of field experiment methods from the data of the fertilizer station. Tashkent, Nauchno-issledovatel'skii institut po khlopkovodstvu. Proceedings of the All-Union Scientific Research Institute of Cotton Culture and Industry.

(NIKHI), no.35,1931. 59 p.

In Russian, with short English summary.

"An attempt was made to ascertain whether sufficient accuracy could be obtained in field experiments with a few relatively large plots (200 sq.metres) by using correcting factors based on correlations either between the yields on individuals plots in successive seasons or between adjacent plots. It was concluded that such correlations are much too small to be useful and that precision in field experiments is to be attained only by having considerable replication in random arrangement or with restrictions (e.g., as in the Latin Square) of the type developed by Dr.R.A. Fisher at Rothamsted."-Empire Cotton Growing Review, v.9,no.4,Oct.1932,p.323.

Pure Mebane.Steps taken to improve quality of short cotton in Yuma Valley. Arizona Producer,v.11,no.16, Nov.1,1932,p.3. (Published at Phoenix,Ariz.)

Agronomy

Beckett,S.H., and Dunshee,C.F. Water requirements of cotton on sandy loam soils in southern San Joaquin valley. Berkeley,1932. 48 p. illus. (Calif.Agr. Exp.Sta.Bul.537)

Fiji islands.Dept. of agriculture. Annual bulletin of divisional reports, 1931. 1932. 62 p.

Report on cotton experimental station,Sigatoka, 1931, by R.R.Anson: p.18-23.

Hale,G.A. Soil analysis and fertility facts. Southern Cultivator, v.90,no.12,Nov.1,1932,p.3,5. illus. (Published by Constitution Publishing Co., Box 1731, Atlanta, Ga.)

Based on recent fertilizer experiments at the Georgia Agricultural Experiment Station.Cotton is used as illustrative crop.

India.Central provinces and Berar.Dept. of agriculture. Annual reports of experimental farms for the year ending 31st March 1931. Nagpur,1932. 53 p. illus.

Cotton experiments: p.1-12,28-29. Rotation and fertilizer experiments.

Instrucciones para la siembra y cultivo del algodon. Guatamala,1932. 16 p. (Guatamala.Dirección general de agricultura.Circ.3)

Instructions for the sowing and cultivation of cotton.

Khar'kov,D.V., and Liakhov,M.I. Opyt ekonomicheskogo analiza effektivnosti azotnykh udobrenii. Za Kklop-

kovuia Nezavisimost, no.3, 1931, p. 60-66. tables.
(Published at Tashkent, U.S.S.R.)

Effect of nitrogenous fertilizers on cotton plant.

"From an analysis of experimental data on the use of various forms of nitrogen for cotton, it is concluded that under the conditions of Middle Asia, 90 kg. of nitrogen per hectare is more profitable than 60 kg. The best results were obtained with ammonium nitrate, followed by ammonium sulphate, oil meal, urea, and calcium cyanamide."-Textile Institute, Journal, v.23, no.1, Jan.1932, p.A3.

Makarov, A.F. Podgotovka pochvy k posevu khlopchatnika. Za Khlopkovuia Nezavisimost, no.3, 1931, p. 32-38.
(Published at Tashkent, U.S.S.R.)

Soil preparation for sowing cotton.

Mozambique. Repartição de agricultura. Direcção dos serviços de agricultura, sumário. Mozambique Repartição de Agricultura Boletim Agrícola e Pecuário no. 1/4, Jan./Dec. 1931, p. 1-132. (Published at Laurengo Marques, Mozambique)

Annual report of Department of Agriculture.

Cotton: p.75-82.

Nagibin, Iu.D. Cvoevremennye posevy--v bor'be za podnytie urozhainosti khlopkovykh polei. Za Khlopkovuia Nezavisimost, no.3, 1931, p.38-46. (Published at Tashkent, U.S.S.R.)

Date of sowing experiments. An attempt to increase cotton yields.

Nyasaland protectorate. Dept. of agriculture. Annual report...1931. Zomba, Govt. printer [1932?] 59 p.

Annexure F: Report on the work of the experimental stations of the Empire Cotton Growing Corporation 1930-31: p.51-54.

Shulimov, N.V. K probleme bogarnogo khlopkovdstva v Srednei Azii. Za Khlopkovuia Nezavisimost, no.3, 1931, p.10-22. (Published at Tashkent, U.S.S.R.)

The problem of cotton cultivation in Central Asia.

U.S. Dept. of agriculture. Office of experiment stations. Report on the agricultural experiment stations, 1931. Washington, 1932. 146 p.

Cotton: p.23, 25-26.

Vergnaud, Henry. Les engrais combinés et concentrés. International Congress of Tropical and Subtropical Agriculture, 6th, Paris, 1931, Proceedings F33. 11 p.

Combined and concentrated fertilizers.

"Formulae are given for the amounts of N, P, K,

necessary for the following crops: cotton, coffee, citrus, sugar-cane, and tobacco."-Empire Cotton Growing Review, v.9, no.4, Oct.1932, p.321-322.

Diseases .

Dharmarajulu, K. A study of the pathological anatomy of the cotton plant in connection with the wilt disease. Indian Journal of Agricultural Science, v.2, June 1932. p.293-313. illus. (Published at Calcutta, India)

References: p.312-313.

Fraps, G.S., and Fudge, J.F. Relations of buffer capacity for acids to basicity and exchangeable bases of the soil. College Station, Tex., 1932. 54 p. tables. (Tex. Agr. Exp. Sta. Bul. 442)

"The present study...originated in connection with the study of the possibility of making certain soils sufficiently acid by treatment with sulfur to inhibit the growth of the organism causing the cotton root-rot disease."

Abstract in Empire Cotton Growing Review, v.9, no.4, Oct.1932, p.321.

Leplae, Edmond. A propos des maladies du coton dans l'Uele. Agriculture et Elevage au Congo Belge, v.6, no.5, 1931, p.169-171. illus. (Published at Bruxelles, Belgium)

Concerning cotton diseases in the Uele (Belgian Congo.)

Rossi, Vincenzo. Contributo allo studio della patologia vegetale in Somalia. Agricoltura Coloniale, v.25, no.11, Nov.1931, p.522-523.. (Published by Istituto Agricolo Coloniale Italiano, Viale Principe Umberto 9, Firenze (8), Italy)

"In Italian Somaliland cotton grown from Egyptian seed showed a wrinkling of the leaves with ulcerations on the viens and stems...Other leaves of the same cotton were infected by Uredo gossypii (Cerotelium desmum)."-Empire Cotton Growing Review, v.9, no.4, Oct.1932, p.333.

Wille, Johannes. Die bekämpfung der "chupadera"-krankheit der baumwolle in Peru durch beizung mit cerasan. Nachrichten über Schädlingsbekämpfung, v.7, no.1, Feb. 1932, p.14-18. illus. (Published at Leverkusen b, Köln, Germany)

"Very good control of the 'chupera' (sore shin) disease of cotton was obtained over an area of 6 hectares near Callao, Peru, by dusting the seed with Ceresan at the rate of 600 gm. per 70 kg. of seed. The incidence of infection was reduced from 80 to 30 per cent."-Empire Cotton Growing Review, v.9, no.4, Oct.1932, p.333.

Insects

Cotton pests in India: the terrible boll-worm. How to eradicate the pest. Indian Textile Journal, v. 42, no. 504, Sept. 1932, p.409. (Published at Military Sq., Fort, Bombay, India)

Surveys work of the Indian Central Cotton Committee.

Also in International Cotton Bulletin, v.11, no.41, Oct./Nov.1932, p.99-102.

Fenton, F.A., and Waite, Willis W. Detecting pink bollworms in cottonseeds by the X-ray. Journal of Agricultural Research, v.45, no.6, Sept.15, 1932, p.347-348. illus. (Published by U.S. Department of Agriculture, Washington, D.C.)

"Although this operation would be too expensive for regular use with the limited number of seeds to be examined....it was found possible to detect immediately the presence of live or dead larvae within the seed." Describes the method.

Il'inskii, A.M. A new method of quantitative-statistical analysis of the red spider infestation (*Epitetranynchus altheae*) Plant Protection, v.8, no.3, Sept.1931, p.299-301. (Published at Leningrad, U.S.S.R.)

In Russian, with English summary.

"The degree of infestation was estimated by samples obtained by gently pressing infested leaves against a sheet of smooth paper coated with an adhesive."—Empire Cotton Growing Review, v.9, no.4, Oct.1932, p.332.

Morris, H.M. Insect pests and fungus diseases of Cyprus and their control. Nicosia, 1932, 56 p. illus. (Cyprus. Dept. of Agriculture. Bul. (Entom.ser.) No.3)

Mentions *Platyedra* (*Gelechia*) *gossypiella* Saund. on cotton: p.27-29.

Nikolskii, V.V., and Radzievskaya, S.B. The pink bollworm and *Earias Insulana* Boisd., spotted or spiny bollworm. Empire Cotton Growing Review, v.9, no.4, Oct. 1932, p.329. (Published by P.S. King and Son, Ltd., 14, Great Smith St., London, S.W.1, England)

Abstract of article in Russian in Union State Publication, Central-Asiatic Sect., 1931.

"Detailed information, based entirely on the literature, is given on the biology, geographical distribution, parasites, and control of *Platyedra* (*Pectinophora*) *gossypiella* Saund., and *Earias insulana* Boisd., all stages of which are described, in view of the possibility of the introduction of these moths into the cotton-growing areas in the Russian Union. *P.gossypiella* has not been found in the Union, but *E.insulana* was recorded in 1930 from the Nakhichevan district in southern Transcaucasia."

Vrydagh, J. Le "ver rose" du coton "Gelechia gossypiella Saund" dans les districts des deux Uele. Bulletin Agricole du Congo Belge, v.23, no.1, Mar. 1932, p.54-61. (Published at Bruxelles, Belgium)

Pink bollworm of cotton, "Gelechia gossypiella Saund" in the districts of the Uele (Uele-Itimbri and Uele-Nepoko).

Farm Engineering

Lenchevskaia, K. Egipet. Irrigatsiia i khlopck. Za Khlopkovuia Nezavisimost, no. 3, 1931, p. 129-132. table. (Published at Tashkent, U.S.S.R.)

Egypt. Irrigation and cotton.

Farm Management

Carnes, Ernest. Cotton outlook for Spartanburg county, South Carolina. Extension Service Review, v.3, no.9, Nov. 1932, p.141-142. charts. (Published by Extension Service, U.S. Department of Agriculture, Washington, D.C.)

Example of talks given by county agents to farmers at outlook meetings.

Harris, S.A. Farmers prosperous under Colquitt [Ga.] county plan. Trinity of bankers, businessmen and farmers formed 8 years ago forced diversification which aids farmers during the depression. Southern Cultivator, v.90, no.9, Sept. 1, 1932, p.5. (Published at Box 1731, Atlanta, Ga.)

"During this period [1923-1932]...cotton acreage has been reduced by more than half with an increased yield."

Schoffelmayer, Victor H. Production costs in Texas. Cotton Trade Journal, v.12, no.47, Nov. 26, 1932, p.5. (Published at New Orleans, La.)

Based on study "just completed by the cotton department of the Producers' Cotton Oil Company of Fresno, Cal."

Thibodeaux, B.H., and Wells, Oris V. Use of outlook information in farm-business planning in the cotton belt. A preliminary report. Washington, D.C., November 1932. 47 p. charts, tables. Mimeographed. (U.S. Dept. of agriculture. Bur. of agricultural economics. Division of farm management and costs)

"Each individual farmer should be better informed as to his abilities and the resources at his command than anyone else. But to arrive at the best estimate as to the outlook also requires (1) an adequate knowledge of the current statistical position of the commodity or commodities in question, and (2) an understanding of the

relationships which have prevailed in the past between such factors as price levels, acreages, yields, "etc.

Cooperation in Production

Stewart, A.D. One-variety outlook. Mississippi Co-op News, v.4, no.4, Nov.1932, p.4. (Published at 236 1/2 E.Capitol St., Jackson, Miss.)

"Outlining the fundamental principles of cotton improvement work."

PREPARATION

Ginning

Federov, V.S. Sovremennoe sostoianie i organizatsiia khlopkovochistitel'nogo dela v S.Ts.A. Tashkent, 1931. 68 p. illus.

In Russian. English summary: p.65-68.

Modern cotton ginning industry in the United States of America.

Gray, R.B., Hurst, W.M., and Gordon, E.D. Artificial drying of agricultural products. Agricultural Engineering, v.13, no.10, Oct.1932, p.260-263. diagsr. (Published at Bridgman, Mich.)

"Paper presented at the 26th annual meeting of the American Society of Agricultural Engineers, at Ohio State University, Columbus, June 1932."

Cotton drying: p.262. Describes cotton drier developed by U.S.Bureau of Agricultural Engineering.

Baling

Vinson, Curtis. On the trail of Texas cotton. Pt.III. Acco Press, v.10, no.11, Nov.1932, p.6-9. illus. (Published by Anderson, Clayton and Co., Houston, Tex.)

"Third and last of a series of articles describing a trip made by the three winners of the 1932 Cotton Contest at [Texas] A. & M. College. Their itinerary carried them throughout the cotton producing sections of the United States and to the chief consumption centers at home and in Europe."-Editor's note.

Subjects of criticism of American cotton by European spinners were: method of wrapping bales and improper ginning.

MARKETING

General

Chang, T.M. New cotton organizations formed in China. International Cotton Bulletin, v.11, no.41, Oct./Nov. 1932, p.53-54. (Published by International Federation

of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Organization of the Chinese Cotton Improvement Association and the Chinese Cotton Statistics Association.

Economics of the cotton industry. The City and Guilds of London institute 1932 examination paper. Textile Weekly, v.10, no.245, Nov.11, 1932, p.298. (Published at 49 Deansgate, Manchester, England)

Contains (1) an account of the development of the cotton industry in the latter part of the 18th century; (2) explanation in detail of "the purpose for which a spinner will buy or sell 'futures' contracts."

Economics of the cotton industry. The City and Guilds of London institute 1932 examination paper. Textile Weekly, v.10, no.246, Nov.18, 1932, p.321. (Published at 49 Deansgate, Manchester, England)

Second in series of answers. Includes discussion of "the important export markets for cotton yarns or cotton cloth from Lancashire" and "changes which have taken place in the relative importance of these markets since 1919." Also gives "an account of the events which have led to the low prices of cotton in the last two seasons."

Mehta, Chunilal, & co. Indian cotton review for the season 1931-32. Bombay, 1932. 36 p. tables.

Includes statistics for prices, consumption, acreage, exports, etc.

Myers, Lawrence, and Cooper, Maurice R. Cotton statistics and related data for agricultural workers. Washington, D.C., 1932. 108 p. tables. Mimeographed. (U.S. Dept. of agriculture, Bureau of agricultural economics, Division of statistical and historical research)

Contents.-I. General commodity prices, industrial production and payrolls: p.1-6.-II. Cotton prices, grade and staple premiums and discounts: p.7-27.-III. Production, acreage, yields and related data: p.28-47.-IV. Cotton consumption, mill activity and textiles: p.48-64.-V. Stocks of cotton: p.65-75.-VI. International trade in cotton: p.76-88.-VII. Summary tables of supply, distribution and prices: p.89-91.-VIII. Income and cost data. United States: p.92-95.-IX. Data on alternative enterprises: p.96-108.

"Linters have been excluded from all figures except where specifically noted...As it is not planned to republish these data in the near future, space has been provided for inserting later figures. Some of these will be published at intervals in World Cotton Prospects or can be obtained from the Division of Statistical and Historical Research, Bureau of Agricultural Economics."

Spitzfaden, P.F. Cotton's economic aspects. Cotton Digest, v.5, no.2, Oct.22, 1932, p.5. (Published at Houston, Tex.)

Outlook for the industry.

U.S. Dept. of agriculture. Bureau of agricultural economics. The agricultural outlook for the southern states 1932-33. Prepared by the staff of the Bureau of agricultural economics and considered at the Southern outlook conference, Atlanta, Ga., November 8-11, 1932. Washington, D.C., November 1932. 84 p. Mimeographed.

The cotton outlook: p.12-20. Considers supply, consumption, prices, grade and staple.

Cotton seed: p.21-23.

U.S. Bureau of foreign and domestic commerce. Commerce yearbook 1932. Vol.1--United States. Washington, U.S. Govt. print. off., 1932. 602 p. tables.

Cotton: p.161-166. Statistics for production, consumption, prices, exports.

Cotton goods: p.398-410. Production, prices, and foreign trade.

Demand and Competition

Attitude of cotton manufacturers toward shorter hours and higher wages. Monthly Labor Review, v.35, no.5, Nov. 1932, p.1164-1165. (Published by Bureau of Labor Statistics, U.S. Department of Labor, Washington, D.C.)

Position of Alabama manufacturers and American Cotton Manufacturers' Association.

Brasseur, Robert. The depression in the European cotton industry. International Cotton Bulletin, v.11, no.41, Oct./Nov. 1932, p.16-20. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Statement prepared for the meeting of the International Cotton Committee, Lugano, Oct.14, 1932.

Article appears in French: p.20-23.

Brasseur, Robert. Note on the proposal for an international cotton agreement. International cotton Bulletin, v.11, no.41, Oct./Nov. 1932, p.24-26. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Statement prepared for meeting of the International Cotton Committee, Lugano, Oct.14, 1932.

Proposes a "Commission, on which, besides the official delegates of the Association interested in

our proposals, there should sit experts on matters of tariff questions" to study the effect of tariffs on the cotton industry.

Original French report: p.26-27.

Busby, H.S. Bulk uses of cotton. Cotton Trade Journal, v.12, no.44, Nov.5, 1932, p.2. (Published at New Orleans, La.)

"The question arises as to whether any proper survey has been made dealing with what proportion of spindles are now working on these different classes of goods [heavy cotton fabrics, dress goods, etc.] because any mill consumption and farming program which may be developed must take account of the greater bulk of cotton used by those mills making the coarser numbers."

Busby, H.S. What to do about it. Cotton Trade Journal, v.12, no.46, Nov.19, 1932, p.2. (Published at New Orleans, La.)

Concerning consumption of cotton. "We are making a plea...for rationalization of the whole problem of handling cotton, from the beginning of its appearance to its final consumption and ultimate wearing out."

"Chandrakant." "Quo vadis" Ahmedabad? Indian Textile Journal, v.42, no.504, Sept.1932, p.423. (Published at Military Sq., Fort, Bombay, India)

"How the textile industry first originated at this centre and also...a short description about the various stages of its developments."

The cotton house. Fibre and Fabric, v.85, no.2491, Oct.29, 1932, p.16-17. (Published at 465 Main St., Cambridge, Mass.)

Describes exhibits at recent annual meeting of the Cotton-Textile Institute at New York City.

Also in Cotton Trade Journal, v.12, no.44, Nov.5, 1932, p.2.

Cotton mill statistics for the first half of 1932. Chinese Economic Bulletin, v.21, no.10, Sept.3, 1932, p.131. table. (Published by Bureau of Foreign Trade, Ministry of Industry, Customs Bldg., Shanghai, China)

Statistics for number of spindles, cotton consumed, and cotton in stock, furnished by the Chinese Cotton Millowners' Association.

Cotton-textile institute, inc. Sixth annual report. A review of its activities, by George A. Sloan. [New York, 1932] 48 p.

Includes Annual address of the president and paper entitled "A basis for profits", also by Sloan.

Cotton trade wages. A three years' truce. Textile Weekly, v.10, no.243, Oct.28, 1932, p.225-226, 227. table. (Published at 49 Deansgate, Manchester, England)

"The negotiations on hours and wages, which commenced on October 13 [1932], between the Lancashire spinning industry employers and operatives, were concluded...Oct.22." Gives terms of the wages agreements and lists "the course of money wages for the Lancashire cotton operatives."

Cotton wages in Shanghai. International Cotton Bulletin. v.11, no.41, Oct./Nov.1932, p.133-135. table. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Extract from publication of the Institute of Social Research, Peiping, entitled "A study of the standard of living of working families in Shanghai," published 1931.

Table gives "Average daily wage rates of cotton mill workers."

Digest of material on technological changes, productivity of labor, and labor displacement. Monthly Labor Review, v.35, no.5, Nov.1932, p.1031-1057. tables. (Published by Bureau of Labor Statistics, U.S. Department of Labor, Washington, D.C.)

Textile industry. Cotton: p.1048-1049. "Productive labor in this study included supervisory employees (overseers and superintendents), machinists, engineers and firemen, carpenters, electricians, watchmen, and any others necessary to plant operation, as well as textile operatives." A general increase in man-hour productivity is noted.

Ergo. Labour measurement. Premiums to obtain intensification. Textile Weekly, v.10, no.245, Nov.11, 1932, p.283-284. (Published at 49 Deansgate, Manchester, England)

"Various forms of labour intensification systems have been brought forward with a view to reducing labour charges and increasing production, with its corollary of reduced overhead charges. There are various methods by which the intensification may be effected: (a) Ordinary piece price lists. (b) Any of the so-called scientific systems of labour measurement such as the 'Bedaux', 'Haynes Manitt', 'Taylor', and the Dyer systems. (c) Bonus systems, paying a bonus for any production over a pre-determined production." Discusses these systems.

Etter, Gustav. Die investigation der industrie-kommission zu dem rückgang der baumwoll-industrie von Massachusetts. Spinner und Weber, v.50, no.46, Nov.11, 1932, p. 15-17. (Published at Gellertstrasse 7/9, Leipzig,

Germany)

Investigation of the Industrial Commission [of the state of Massachusetts] into the decline of the cotton industry in Massachusetts.

Grey, E.M. Can Lancashire survive? I. A. retrospective survey of the cotton industry. Textile Weekly, v.10, no.244, Nov. 4, 1932, p.253-254. charts. (Published at 49 Deansgate, Manchester, England)

To be continued.

Indian shippers' association. Selling direct to the native consumer. Textile Weekly, v.10, no.244, Nov. 4, 1932, p.259-260. (Published at 49 Deansgate, Manchester, England)

Proposed "Anglo-Indo Corporation" with object of "restoring and increasing [British] trade in piece-goods to India."

The Indian tariff board in Ahmedabad. Visit to cotton mills: millowners' oral evidence. Indian Textile Journal, v.42, no. 504, Sept. 1932, p.424-425. (Published at Military Sq., Fort, Bombay, India)

Lancashire cotton delegation and Ottawa. Results summed up: Importance of India. Indian Textile Journal, v.42, no. 504, Sept. 1932, p.400-401. (Published at Military Sq., Fort, Bombay, India)

Abstracts from report of J. H. Rodier, Chairman of the Cotton Trade Delegation to the Ottawa Conference. Extracts from the Lancashire textile press also included.

Lancashire cotton weavers' strike and terms of settlement. Monthly Labor Review, v.35, no. 5, Nov. 1932, p.1113-1118. table. (Published by Bureau of Labor Statistics, U. S. Department of Labor, Washington, D. C.)

Lancashire wage settlements. International Cotton Bulletin, v.11, no.41, Oct./Nov. 1932, p.139-144. tables. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Spinning section: p.139-141. "Terms of agreement arrived at between the Federation of Master Cotton Spinners' Associations Ltd. and the Operative Spinners' and Card-room Amalgamations on the 8th November, 1932."

Weaving section: p.142-144. "Copy of the agreement arrived at on the question of wage rates to be paid in the manufacturing section of the Lancashire cotton industry."

Machin, W.F. Trade tour in three continents. Showing the goods from London to Capetown. I. Bulgaria to Asia

Minor. Manchester Guardian Commercial, v.25, no.642, Oct.8, 1932, p.299. (Published at the Guardian Bldg., Manchester, England)

First of a series of articles on the possibilities of extending the sale of British cotton goods.

II. Palestine and Egypt: v.25, no.643, Oct.15, 1932, p.319.

III. The Sudan: v.25, no.644, Oct.22, 1932, p.339.

Markets for cotton yarns. Report of the trade in Czechoslovakia. Textile Weekly, v.10, no.243, Oct.28, 1932, p.230. (Published at 49 Deansgate, Manchester, England)

"Based on information supplied by the Commercial Secretary to H.M. Legation at Prague and issued by the [Gt. Britain] Department of Overseas Trade. (Special Register F.1607)."

More cotton mills in Ahmedabad. Indian Textile Journal, v.42, no.504, Sept.30, 1932, p.402. (Published at Military Sq., Fort, Bombay, India)

"Some details with regard to the new companies."

Night work policy to be continued. Southern Textile Bulletin, v.43, no.12, Nov.17, 1932, p.10-11. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

"Directors of the Cotton-Textile Institute, in session at Spartanburg, [S.C., Nov.15, 1932] adopted a resolution reaffirming approval of the policy of eliminating night work in cotton mills by women and children."

The Ottawa tariff changes. Textile Weekly, v.10, no.242, Oct.21, 1932, p.215. table. (Published at 49, Deansgate, Manchester, England)

"Principal changes in the various Dominion tariffs affecting cotton piece-goods are shown... The Indian Tariff Board's latest decision is also included."

Oualid, W. Les industries du coton et de la laine. Association Cotonnière Coloniale, v.30, no.8, Oct.1932, p.128-130. (Published at Paris, France)

Cotton and wool industries.

The Syrian market for cotton piece-goods. Near East and India, v.41, no.1120, Nov.3, 1932, p.892. (Published at 170, Strand, London, E.C.2, England)

"Extracts from a report issued by the [Gt. Britain] Department of Overseas Trade."

Special attention to Japanese competition with Gt. Britain for this market.

Textiles and Ottawa. How Lancashire has fared. Textile Weekly, v.10, no.242, Oct.21, 1932, p.201. (Published at 49 Deansgate, Manchester, England)

Textiles and Ottawa preferences. Canadian concessions. Manchester Guardian Commercial, v.25, no.643, Oct.15, 1932, p.324. (Published at the Guardian Bldg., Manchester, England)

Tremelloni, Attilio. Trends of the Italian cotton industry. Prospects of commercial intercourse between Italy and India. Indian Textile Journal, v.42, no.504, Sept.1932, p.405. tables. (Published at Military Sq., Fort, Bombay, India)

Vakil, C.N., Bose, S.C., and Deolalkar, P.V. Growth of trade and industry in modern India. An introductory survey. London, New York, Longmans, Green and co., 1931. 398 p. tables. (Studies in Indian economics. No.6)

Pt.II. Textiles. Chap.V. Cotton: p.97-166. Considers history and progress of the industry and trade in raw cotton and in cotton manufacturers.

Warty, S.G. The Indo-British trade agreements. Indian Textile Journal, v.42, no.504, Sept.1932, p.403-404. (Published at Military Sq., Fort, Bombay, India)

Agreement reached at the Ottawa Conference is discussed and the author tries "to assess its effects on Indian trade and industry as a whole."

Supply and Movement

L'agricoltura in Eritrea dal 1882 ad oggi. La colonizzazione. Agricoltura Coloniale, v.26, no.9/10, Sept./Oct.1932, p.415-453. illus. (Published at Viale Principe Umberto 9, Firenze, Italy)

Agriculture in Eritrea from 1882 to the present. Colonization.

Cotton: p.439-441, 451-452.

Brothers, Michael. The Indian textile mills. Some impressions of my tour. Textile Weekly, v.10, no.242, Oct.21, 1932, p.212. (Published at 49 Deansgate, Manchester, England)

"In a lecture to the Blackburn and District Managers' Mutual Association [England] Oct.14, 1932."

Caldwell, George L. Federal government assists farmer in improving quality of his cotton. Cotton and Cotton Oil News, v.33, no.48, Nov.26, 1932, p.11, 14. (Published at 3116-18 Commerce St., Dallas, Tex.)

"For the past five years the cotton division of the U.S. Department of agriculture has selected certain gins throughout the cotton belt to co-operate with the Department furnishing a sample of each bale ginned... This information enables the farmer to market his cotton on a quality basis and, at the same time,

enables him to know if he has the variety of cotton best adapted to the soil and climate in which he resides."

Compte-rendu d'un voyage d'études cotonnières au Maroc. Association Cotonnière Coloniale Bulletin Trimestriel, v.30,no.8,1932,p.127-128. illus. (Published at Paris, France)

Account of a voyage for studying cotton in Morocco.

Los cultivadores de algodón en la presente campana deben aumentar las siembras de este textile. Gaceta Algodonera, no.9,no.104,Sept.30,1932,p.11-12. (Published at Reconquista 331, Euenos Aires,Argentina)

A circular, issued by the Cotton Chamber of Buenos Aires, encourages the farmer to increase his cultivation of cotton.

Le déperissement des plantations de coton dans la Somalie Italienne. Bulletin de l'Union des Agriculteurs d'Egypte, v.30,no.234, Aug./Sept.1932,p.468-470. (Published at Cairo,Egypt)

The dying off of cotton plantations in Italian Somaliland.

Florida.Dept.of agriculture.State marketing bureau. Statistics of Florida agriculture and related enterprises including volume marketed, prices received,and the amount produced by the state and by the counties. Prepared by F.W.Fisher. Tallahassee [1932] 62 p. tables.

Cotton area [by counties] years 1909-1919-1929: p.52-53.

Bales of cotton ginned by counties 1930-1931: p.53.

Changes in cotton production: p.52.

Han aumentado les exportaciones de fibra de algodón en este ano comparado con el ano anterior. Gaceta Algodonera, v.9,no.104,Sept.30,1932,p.7. (Published at Reconquista 331, Buenos Aires,Argentina)

Figures are given to show an increase in the cotton export of Argentina in 1932 over 1931.

[Harris,George S.] Red cross cotton.How the 500,000 bales have been handled. Textile World,v.82,no.5, Nov.1932,p.983. (Published at 330 West 42d St.,New York,N.Y.)

Abstract of paper presented to members of the Cotton-Textile Institute.

[Haydu,G.F.] Textile situation in Brazil. American Wool and Cotton Reporter,v.46,no.44,Nov.3,1932,p.49. (Published by Frank P. Bennett and Co.,Inc.,530 Atlantic

Ave., Boston, Mass.)

"Outlined in a letter" to the editor.

"Of the twenty-one states of Brazil, the greatest in the textile industry is Sao Paulo...of the cotton crop of Brazil 8 per cent is grown in the northern states, Parahyba, Pernambuco, Ceara, etc., and under normal conditions Sao Paulo imports most of its cotton from those states...But today the importation of foreign cotton yarns is possible for Brazilian textile mills, because the expense of transportation from the northern states of Brazil is practically the same as from Europe."

Himbury, Sir William. The progress & development of cotton-growing within the British Empire. Cotton (Manchester), v.38, no.1838, Oct.15, 1932, p.25-26. tables. (Published at Ship Canal House, King St., Manchester, England)

"Résumé of the principal work in several areas" including India, Uganda, West Indies, Sudan, Rhodesia, etc.

Olsen, Nils A. Grade and staple of the American cotton supply. Cotton (Manchester), v.38, no.1838, Oct.15, 1932, p.29. (Published at Ship Canal House, King St., Manchester, England)

Methods and results of grade and staple estimates work of the U.S. Department of Agriculture.

Problems of cotton production in Cyprus. Cyprus Gazette, no.2231, July 29, 1932, Agr. Suppl. no.49, p.1-3. illus. (Published by Government Printer, Nicosia, Cyprus)

Outlines the history of cotton in the island.

"Cyprus at present is an unimportant source of Empire supply as the methods of cultivation, and especially subsequent handling of the crop, are not quite up to the standard of those now generally followed in the leading cotton-producing countries."—Empire Cotton Growing Review, v.9, no.4, Oct.1932, p.308.

Situation de la culture cotonnière au Maroc. Association Cotonnière Coloniale Bulletin Trimestriel, v.30, no.8, Oct.1932, p.126. (Published at Paris, France)

Cotton cultural situation in Morocco.

Prices

Chinese cotton mill owners' association. American cotton in China. International Cotton Bulletin, v.11, no.41, Oct./Nov.1932, p.132-134. table. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Discusses price of American and Chinese cotton.

Table gives "value of raw cotton imported into China during the past years," 1924-1931.

Howell, L.D. and Burgess, John S., jr. Farm prices of cotton in relation to its grade and staple length in local markets in the United States seasons 1928-29, 1929-30, and 1930-31. A preliminary report. Washington, D.C., 1932. 71 p. charts, tables. Mimeographed. (U.S. Dept. of agriculture, Bureau of agricultural economics [Division of cotton marketing] in cooperation with state agricultural experiment stations)

[Slater, W.H.] Cotton trade indices. The margin between cotton, yarn and cloth. Textile Weekly, v.10, no.246, Nov.18, 1932, p.309-310. Chart, table. (Published at 49 Deansgate, Manchester, England)
Table and chart show prices.

Stewart, Andrew E. Decline of English currency. Cotton Digest, v.5, no.2, Oct.22, 1932, p.3. (Published at Houston, Tex.)

Effect on cotton prices. "In practice, the Liverpool/New York difference should widen, due to the better outlook in England, although, theoretically, American cotton futures in Liverpool rise as the pound goes down so that the Englishman's price for cotton goes up to him but yields no more to the American who sells in that market."

Marketing and Handling Methods and Practices

Call sales. Cotton Digest, v.5, no.6, Nov.19, 1932, p.4.
(Published at Houston, Tex.)

Editorial. Quotes rules of Texas exchanges that "should result in the total elimination of selling on call."

Gossett, B.B. Tentative basis of converting code agreement. Cotton Trade Journal, v.12, no.45, Nov.12, 1932, p.2. (Published at New Orleans, La.)

Reprint of letter to members of the American Cotton Manufacturers' Association. Discusses "the terms governing the sale and purchase of cotton gray goods to the converting trades," concerning proposed changes.

Also in Southern Textile Bulletin, v.43, no.12, Nov.17, 1932, p.9, 12.

Granovskii, Z. O tare dlia khlopka. Za Khlopkovuia Neza-visimost, no.3, 1931, p.118-121. illus. (Published at Tashkent, U.S.S.R.)

About tare for cotton.

Mayer, Robert. Call sales--a menace. Cotton Digest, v.5, no.2, Oct.22, 1932, p.4. (Published at Houston, Tex.)

Services and Facilities

Arnold, C.D. Lake Charles and cotton. Cotton Digest, v.5, no.3, Oct.29, 1932, p.4-5. (Published at Houston, Tex.)

Advantages of shipping through the Port of Lake Charles, La., and freight rates from various points to Lake Charles.

Burr, C.H. Keeping ahead of the times. Cotton Digest, v.5, no.2, Oct.22, 1932, p.7. (Published at Houston, Tex.)

Describes systems of the Federal Compress and Warehouse Company and the Union Compress and Warehouse Company, with headquarters in Memphis, Tenn. Mentions effect of the inauguration of carload cotton freight rates in their territory.

The cotton broker. His value to the trade. Textile Weekly, v.10, no.243, Oct.28, 1932, p.229-230. (Published at 49 Deansgate, Manchester, England)

To be continued.

Downs, L.A. Railroad head views cotton transport issue. Cotton Trade Journal, v.12, no.44, Nov.5, 1932, p.4. (Published at New Orleans, La.)

One of a series of articles on transportation.

From the days of Chisca. Cotton Digest, v.5, no.2, Oct.22, 1932, p.6. (Published at Houston, Tex.)

Description of Memphis, Tenn., and its facilities as a spot market. Lists charter members of the Memphis Cotton Exchange, which was organized on Dec.2, 1873.

Jordan, Harvie. Prospect of short crop hikes price of cotton. Spot cotton advance encouraging to farmers. Demand for higher freight rate condemned. Southern Cultivator, v.90, no.9, Sept.1, 1932, p.2. (Published at Box 1731, Atlanta, Ga.)

Describes the present situation regarding carload freight rates for cotton.

Lusk, P.B. The mystery rates. Cotton Digest, v.5, no.2, Oct.22, 1932, p.16. (Published at Houston, Tex.)

Discussion of freight rates on cotton.

Nelson, A.A. Lake Charles port expansion. Cotton Digest, v.5, no.2, Oct.22, 1932, p.13. (Published at Houston, Tex.)

Description of Lake Charles, La., which "was formally opened to ocean traffic in November, 1926."

Schroeder, F.E. In defence of barge lines. Cotton Trade Journal, v.12, no.45, Nov.12, 1932, p.4. (Published at New Orleans, La.)

"Number nine of a series of articles relative to the transportation of cotton."

Marketing Costs

Handling charges in Egypt. International Cotton Bulletin, v.11, no.41, Oct./Nov.1932, p.87-88. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

From the "Egyptian cotton year book."

Table gives "Average cost of Egyptian cotton from the farm to port of landing in piastres per cantar."

Cooperation in Marketing

Blalock, U. Benton. How cotton cooperatives are serving the farmer. Extension Service Review, v.3, no.9, Nov. 1932, p.135-136. (Published by the Extension Service, U. S. Department of Agriculture, Washington, D.C.)

[Mississippi cooperative cotton association] Plans, policies, pools and services; season '32-33. Mississippi Co-op News, v.4, no.2, Sept.1932, p.3. (Published at 236 1/2 E. Capitol St., Jackson, Miss.)

Rowe, William H. Agricultural credit corporations affiliated with cotton cooperative marketing associations. Washington, D.C., Govt. print. off., 1932. 64 p. charts, tables. (U.S. Dept. of agriculture. Tech. bul. 322)

U.S. Federal farm board. Cooperative marketing of farm products. The story of American farmers' marketing organizations. Washington, D.C., June 1932. 85 p. (Bul. 10)

Cooperative marketing of cotton: p.28-33.

U.S. Federal farm board. Statistics of farmers' selling and buying associations. United States, 1863-1931. Washington, D.C., June 1932. 91 p. maps, tables. (Bul. 9)
"Prepared by R.H. Elsworth and staff."
Cotton associations: p.18-22.

UTILIZATION

Fiber, Yarn and Fabric Quality

Ball, Ralph H., and Anderson, Bjorn. The applications of cellulose acetate to the field of plastics. Chemistry and Industry, v.51, no.18, Apr.29, 1932, p.371-373. chart. (Published at Central House, 46, Finsbury Sq., London, E.C.2, England)

Read before the Montreal Section of the Society

of Chemical Industry, Mar.16,1932.

"Now that cellulose acetate plastic materials have passed the purely experimental stage, and have achieved a considerable measure of perfection, their use in the production of articles requiring transparency, beauty, and variety of color configuration, intricate design, non-inflammability, high impact resistance, or nonbrittleness, is bound to increase rapidly."

Grant, Julius. The estimation of moisture by electrical methods. Chemical Age, v.27, no.685, Aug.13, 1932, p.139-140. illus. (Published at Bouverie House, 154, Fleet St., London, E.C.4, England)

Moisture in raw cotton and paper: p.140. Describes Balls bale tester and the "Siccometer" for samples in sheet form.

Abstract in Textile Institute, Journal, v.23, no.10, Oct., 1932, p.A568.

Hall, A.J. New facts concerning the action of caustic alkalies on cotton. American Dyestuff Reporter, v.21, no.20, Sept.26, 1932, p.578-580. 594-596. charts. (Published by Howes Publishing Co., 440 Fourth Ave., New York, N.Y.)

[Heim de Balsac and Miège.] Étude technologique de cotons Pima cultivés au Maroc. Coton et Culture Cotonnière, v.6, no.3, Dec.1931, p.199-203. tables. (Published by L'Agence Générale des Colonies et le Comité d'Encouragement aux Recherches Scientifiques Coloniales, 34, Rue Hamelin, Paris XVI, France)

Technological study of Pima cotton cultivated in Morocco.

"Previous reports on the technological value of cultivated and experimental cottons in Morocco have been published in this journal...The present study deals with Pima cotton treated with particular care in four ways (1) cut back (recépé) and irrigated; (2) from seed, irrigated; (3) from seed, not irrigated; (4) cut back, not irrigated...There is...small difference between treatments and nothing of any significance."-Abstract by C.M.Conrad.

Lipatov, S.M. and Krotova, N.A. Depolymerization of alkali cellulose. III. Changes of the cellulose in the viscose process. Chemical Abstracts, v.26, no.12, June 20, 1932, p.3373. (Published at Easton, Pa.)

Abstract of article in Journal of Applied Chemistry, (USSR) v.4, 1931, p.1030-1035.

"Cellulose has a micelle structure. Changes which occur on swelling, reactions with CS₂ and soln. of the xanthates formed in NaOH are explained by the destruction of micelles. The destruction of micelles is

preceded by gradual weakening of the attraction between individual chains. This attraction is completely destroyed only after the xanthate is dissolved in NaOH."

Machine tests fibre features. Cotton Trade Journal, v.12, no.44, Nov.5 1932, p.4. (Published at New Orleans, La.)

"The Suter-Webb sorter, developed recently, enables the operator accurately to measure the length and relative length uniformity in a single sample. This sorter consists of two sets of metal combs mounted on a turntable." Method of using the sorter is described.

Also in Cotton Digest, v.5, no.5, Nov.5 1932, p.8-9; and in Southern Textile Bulletin, v.43, no.10, Nov.3, 1932, p.9.

Mark, H. The fine structure and the mechanical properties of fibers. Relation between micellar system and deformation. Melliand Textile Monthly, v.4, no.8, Nov. 1932, p.510. (Published by Textile Manufacturers Monthly, 305 Washington St., Brooklyn, N.Y.)

Abstract of lecture at meeting of the Colloidal Committee of the Faraday Society, Manchester, England, Sept.21-23, 1932.

Mark, H. Über den aufbau der hochpolymeren substanzen. Scientia, v.51, no.242 (6), June 1932, p.405-421. illus. (Published at Via A. De Togni, 12, Milano (116), Italy)

Structure of highly polymerized substances.

Translation in French, Supplement, p.194-209.

"After a discussion of the latest views on heteropolar and homeopolar valences, their application to the structure of cellulose is taken up. It is shown that a calcn. of the strength of the primary valences in the C chains of the cellulose micelle would give a strength of 800 kg./sq.mm. The fact that the actual strength is about 100 kg./sq.mm. is explained by the assumption that the chains are of finite length and that breaking takes place by their slipping among themselves because of the rupture of the glucoside-like O linkages which bind them together."—Chemical Abstracts, v.26, no.16, Aug.20, 1932, p.4467.

Pickard, R.H. Research in the British cotton industry. The British cotton industry research association. Cotton (Manchester), v.33, no.1838, Oct.15, 1932, p.21. (Published at Ship Canal House, King St., Manchester, England)

Discusses results of tests made at Shirley Institute.

Powers, D.H. Enzymes. Fibre and Fabric, v.85, no.2492, Nov.5, 1932, p.10-15. (Published by Wade Publishing Co., 465 Main St., Kendall Sq., Cambridge, Mass.)

From the Dyestuffs Reporter.

Robinson, Hugh L. Textile testing. Survey of the 1932 Textile institute conference papers. Textile Weekly, v.10, no.243, Oct.28, 1932, p.239-240. (Published at 49, Deansgate, Manchester, England)

To be continued.

"In a lecture to the British Association of Managers of Textile Works, October 22, 1932."

Summarizes fourteen papers presented at Conference at Leamington, May 1932. The papers fall under four main groups: I. Routine testing during processing. II. Testing for causes of faults or complaints. III. Tests of identification. IV. Tests of behaviour and comparison of fibres or yarns.

Rose, R.E. Fast dyes for textiles. Remarkable progress in recent years in manufacture of fast colors for textile fabrics--Substitutes a dangerous policy--American mills doing best work. American Wool and Cotton Reporter, v.46, no.45, Nov.10, 1932, p.9-10, 16-18. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

"Paper presented at recent convention of Laundry-owners' National Association."

Includes discussion of "Complex nature of cotton" fiber.

Also in Southern Textile Bulletin, v.43, no.13, Nov.24, 1932, p.4, 6, 12-13..

S., E. Eine neuartige messrolle für vorgarne, strecken- und kardenbänder. Spinner und Weber, v.50, no.30, July 22, 1932, p.3-4. illus. (Published at Gellertstrasse 7/9, Leipzig, Germany)

"A device [manufactured by the firm of K.Zweigle] for measuring lengths of sliver or roving is shown."- Textile Institute Journal, v.23, no.10, Oct. 1932, p.A539.

Schluback, Hans H., Elsner, Horst, and Prochownick, Vilma. Abbau der cellulose nach einer neuen methode. Angewandte Chemie, v.45, no.13, Mar.26, 1932, p.245-249. (Published at Verlag Chemie, Corneliusstr. 3, Berlin W 10, Germany)

Decomposition of cellulose by a new method.

Abstract in Chemical Abstracts, v.26, no.12, June 20, 1932, p.3373.

Schubert, Friedrich. Die bestimmung der absoluten faser qualität nach mikrobewertungen der festigkeit an fertigprodukten wie gewebe, wirkwaren und auch garnen. Melliand Textilberichte, v.12, no.2, Feb.1931, p.100-103. illus. (Published at Heidelberg, Germany)

To be continued.

The determination of absolute fiber quality by micro-determination of strength of finished products such as fabrics and yarns.

Abstract in Chemical Abstracts, v.26, no.12, June 20, 1932, p.3381.

Schwartz, E.R., and Hotte, G.H. Optical measurements of yarn waviness as distinct from crimp. Textile Research, v.3, no.1, Nov. 1932, p.14-26. illus., tables. (Published by United States Institute for Textile Research, Inc., 65 Franklin St., Boston, Mass.)

"Six different types of fabric were tested warp-wise for comparison by several methods, including microscopic analysis...The fabric may be rapidly identified as: 1. Medium belting canvas (cotton twill), 2. Cotton towelling, 3. Medium belting canvas (cotton twill), 4. No.1 Cotton duck, 5-6. All rayon--plain weave."

Spinning tests of commercial Indian cotton. Work of the technological laboratory at Matunga. Indian Textile Journal, v.42, no.504, Sept. 1932, p.408. (Published at Military Sq., Fort, Bombay, India)

Explains the arrangements of the Indian Central Cotton Committee for making spinning tests for individual mills.

Taylor, S. Notes on sizing. Textile Weekly, v.10, No. 245, Nov. 11, 1932, p.295-296. (Published at 49 Deansgate, Manchester, England)

"In a lecture to the Preston and District Mill Managers' Association [England] November 4, 1932."

"When we examine the cotton thread we realize the necessity of adopting some means of binding the hairs of the thread together, the object being to cement the cotton hairs in the thread to prevent slipping. The ideal size is one which will give this property without lessening the elasticity of the sized thread." Includes description of the Shirley hydrometer.

Textile testing by fluorescence. Textile Weekly, v.10, no.244, Nov. 4, 1932, p.263. (Published at 49 Deansgate, Manchester, England)

Describes use of the analytic quartz lamp.

Traube, Wilhelm; Blaser, Bruno; and Lindemann, Erich. Über cellulose-schwefelsäure-ester. II. Mitteil. Berichte der Deutschen Chemischen Gesellschaft, v.65, no.4, Apr. 6, 1932, p.603-612 (B) diagrs. (Published by Verlag Chemie, Berlin, Germany)

Cellulose sulfuric acid esters.

Abstract in Chemical Abstracts, v.26, no.12, June 20, 1932, p.3236-3237.

Turner, H.A., and Wood, F.C. The colloid aspects of textile materials. Textile Institute, Journal, v.23, no. 10, Oct. 1932, p.P241-P246. (Published at 16 St. Mary's Par-

sorage, Manchester, England)

"A general discussion organised by the Colloid Committee of the Faraday Society, 21st to 23rd September, 1932. The industrial and technical significance."

Abstracts of papers presented at meeting of the Committee.

Young, A. Identifying dyes on cotton goods. Practical methods of procedure. Textile Weekly, v.10, no.245, Nov.11,1932, p.293-294. (Published at 49 Deansgate, Manchester, England)

Technology of Manufacture

Brown, R.H. Atmospheric control in the textile industry. Textile American, v.58, no.5, Nov.1932, p.21-[24] (Published at 440-442 Old South Bldg., Boston, Mass.)

Chamberlain, J. Cotton hosiery manufacture. Textile Weekly, v.10, no.246, Nov.18,1932, p.318-319. tables. (Published at 49 Deansgate, Manchester, England)

"In a lecture to the British Association of Managers of Textile Works, November 12, 1932."

Tables show "the counts required for various classes of fabrics and garments and the gauges of the machines."

Dufton, A. F. Relative and absolute humidities. Society of Chemical Industry Journal, v.51, no.11, Mar.11,1932, p.94T. diagr. (Published at Central House, 46, Finsbury Sq., London, E.C.2, England)

"An alignment diagram relating temperature, relative and absolute humidity."-Chemical Abstracts, v.26, no.13, July 10, 1932.

"Flange." A practical analysis of large package spinning. Cotton (Atlanta), v.96, no.11, Nov.1932, p.21-24. illus. (Published by W.R.C.Smith Publishing Co., Atlanta, Ga.)

Greenville show. A milestone of technical progress. Textile World, v.82, no.5, Nov.1932, p.952-955. illus. (Published at 330 West 42d St., New York, N.Y.)

Discussion of Tenth Southern Textile Exposition held at Greenville, S.C., during the week of Oct.17, 1932. Describes new equipment shown for spinning and twisting, winding, spooling, and wrapping, weaving, dyeing and finishing, air conditioning, etc.

K., H. Novelty yarn manufacture. Spiral yarn developments. Melliand Textile Monthly, v.4, no.8, Nov.1932, p.515-516. illus. (Published by Textile Manufacturers Monthly, Inc., 305 Washington St., Brooklyn, N.Y.)

Cotton yarns are included.

M., G.E. The economics of single-process lapping.

Textile Manufacturer, v.58, no.692, Aug.1932, p.312-313. tables. (Published by Emmott and Co., Ltd., 31 King St. West, Manchester, England)

"The case for installing single-processing opening rests on technical rather than on economic grounds."

Reply by "Hartford", "Economic superiority of single-process cotton lapping," Textile Manufacturer, v.58, no.693, Sept.1932, p.353-354, challenges conclusions of G.E.M.

Mumford, Charles M. Improved cotton mill machinery. Progressive developments in manufacturing equipment and power transmission--Picking and carding--Drawing and spinning--Spooling, warping and slashing--Waving and finishing. American Wool and Cotton Reporter, v.46, no.46, Nov.17, 1932, p.9-10, 17, 19-22. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

"An inspection of present-day methods is made comparing them with those used by the previous generation."

A new recording hygrometer that is direct reading. Southern Textile Bulletin, v.43, no.10, Nov.3, 1932, p.12-13. illus. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

Describes the Bristol Humidigraph.

Opening, mixing and picking, discussed at Gastonia. Southern Textile Bulletin, v.43, no.12, Nov.17, 1932, p.4, 6, 8. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N. C.)

Meeting of the Gaston County Division of the Southern Textile Association at Ranlo, N. C.

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"For the textile student" series.

Explains "construction and operation of a modern 'Oldham Willow' for opening and cleaning cotton waste."

Practical notes on merchandising cotton fabrics. Indian Textile Journal, v.42, no.504, Sept.1932, p.413. (Published at Military Sq., Fort, Bombay, India)

Textile machinery. New types at Leicester exhibition. Manchester Guardian Commercial, v.25, no.643, Oct.15, 1932, p.332. (Published at Guardian Bldg., Manchester, England)

Through a modern cotton mill. Textile Weekly, v.10, no. 244, Nov.4, 1932, p.264-266. (Published at 49 Deansgate, Manchester, England)

Tour of the Albert Mills, Reddish, England, made by members of the British Association of Managers of Textile Works.

Truslow, J.L. Long draft in roving and single vs. double roving in spinning. Textile World, v.82, no.5 Nov.1932, p.966-968. illus. (Published at 330 West 42d St., New York, N.Y.)

"Delivered before the meeting of the Textile Division of the American Society of Mechanical Engineers, at Greenville, S.C.," Oct.19, 1932.

Also in Cotton (Atlanta), v.96, no.11, Nov.1932, p.25-28.

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Technology of Consumption

Chemical cotton--Its use and development. Rayon and Synthetic Yarn Journal, v.13, no.10, Oct.1932, p.48-49. illus. (Published at 303 Fifth Ave., New York, N.Y.)

From the "Hercules Mixer for September."

Describes manufacture of chemical cotton and quality of linters needed. Two types are manufactured: the loose, used for conversion into nitrocellulose, and for film, celluloid, rayon, etc; the sheeted, used for viscose rayon and high-grade papers. "The viscosity of the cotton when dissolved in a standard cuprammonium solution...is the basic difference between different grades."

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Also in Texas ed., v.47, no.17, Nov.1932, p.10.

Higgins, Alfred. Cotton fabrics for automobile interiors. Melliand Textile Monthly, v.4, no.8, Nov.1932, p.488-489. (Published by Textile Manufacturers Monthly, Inc., 305 Washington St., Brooklyn, N. Y.)

Gives specifications for fabrics for head lining, upholstery, side walls, curtains and slip covers.

Identification of cotton duck in trade literature. Commercial Standards Monthly, v.9, no.5, Nov.1932, p.121. (Published by Bureau of Standards, U. S. Department of Commerce, Washington, D. C.)

"The cotton-duck recommendation, which was proposed and developed by the industry in 1924, and subsequently revised in 1927, has been instrumental in reducing the number of varieties of this commodity from 460 to 90."

Rubber-backed carpets. Wool-Wolle, no.120, July 4, 1932, p.23. (Published by British-Continental Press Ltd., 40/43, Fleet St., London, E.C.4, England)

In English and German.

"A range of carpets, mats, etc., coated on the back with the rubber milk Latex, and intended especially for the bathroom, has been brought out...The pile is cotton, but has a wooly appearance."-- Textile Institute. Journal, v.23,no.10, Oct. 1932, pA557-A558.

Shipping in cotton wrapping material. American Wool and Cotton Reporter, v.46,no.44, Nov.3,1932, p.22-23. illus. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

"All common carriers have now sanctioned this use of cotton under the same rate classification as other baling materials." 8-ounce cotton cloth alone, or 3 1-2 to 4 1-4 ounce cotton cloth reinforced by an inner wrap of paper, is used.

U. S. Dept. of agriculture. Bureau of home economics. Report of the chief...for the year ended June 30, 1932. Washington, U.S.Govt. print.off., 1932. 8 p.

Cotton studies: p.6-7. Experiments on effect of grade of cotton on wearing quality of sheeting; color tests; and use of cotton in home furnishings such as handmade floor coverings.

SEED AND SEED PRODUCTS

Effects of new Canadian tariff. Conditions may enable this country to continue crude cotton oil sales to Canada. Cotton Oil Press, v.16, no.7, Nov.1932,p.17. (Published by Interstate Publishing Co., Inc., Memphis, Tenn.)

"From the N. Y. Journal of Commerce."

Fire hazard in cottonseed oil mills. Cotton and Cotton Oil News,v.33,no.48, Nov.26, 1932, p.3-5. (Published at 3116-18 Commerce St., Dallas, Tex.)

"From bulletin issued by the Educational Service, University of Tennessee, engineering experiment station."

Gordon, John B. Discussion of the oils and fats tariff. Cotton Oil Press, v.16,no.7, Nov.1932, p.7-10,18-20. chart, tables. (Published by Interstate Publishing Co., Inc., Memphis, Tenn.)

Charts show "Distribution of oils among their major uses 1931."

The new Canadian tariff changes. Possible loss of sales of crude cotton oil by the United States. Cotton Oil

Press, v.16, no.7, Nov.1932, p.23. (Published by Interstate Publishing Co., Inc., Memphis, Tenn.)

Lists "the five items in the new tariff affecting vegetable oil and oil seeds."

LEGISLATION, REGULATION AND ADJUDICATION

Cotton acreage reduction by law still a live issue. Progressive Farmer (Miss. Valley ed.), v.47, no.17, Nov. 1932, p.3. (Published at Birmingham, Ala.)

High lights of Shannon committee investigation of Farm board and cotton co-ops. Mississippi Co-op News, v.4, no.2, Sept.1932, p.4. (Published at 236 1/2 E. Capitol St., Jackson, Miss.)

Summary of the hearings in New Orleans.

Houston cotton exchange. Resolution, Cotton Digest, v.5, no.7, Nov.26, 1932, p.8-9. (Published at Houston, Tex.)

"A resolution urging all farmers and all persons deriving an income from wheat and cotton to demand of Congress a revision of tariff schedules and approval of a conference with foreign governments relative to a rearrangement of debts."

Revere, C.T. Commodities and the debts. Commerce and Finance, v.21, no.48, Nov.30, 1932, p.1392-1393. (Published by Theo. H. Price Publishing Corp., 95 Board St., New York, N.Y.)

Considers possible burdens or advantages of "cancellation or drastic downward revision" of war debts on conditions in agricultural states, using several cotton-growing states to illustrate.

Stabilization of cotton prices. Fibre and Fabric, v.85, no.2494, Nov.19, 1932, p.15-16. (Published by Wade Publishing Co., 465 Main St., Kendall Sq., Cambridge, Mass.)

Discussion of the Harriman plan, known as the Voluntary Domestic Allotment Plan for Control of Agricultural Production.

The tariff on cotton ties. Acco Press, v.10, no.11, Nov. 1932, p.12. (Published by Anderson, Clayton and Co., Houston, Tex.)

"Open letter from the Southern Bagging Company of Houston," commenting on proposed increase in duty on cotton ties.

Thompson, John C. Burdensome tax is threatening Texas cotton crop. Cotton Ginners Journal, v.4, no.2, Nov. 1932, p.7-10. (Published at 109 North Race St., Dallas, Tex.)

Discusses new acreage reduction tax proposed by Commissioner of Agriculture J. E. McDonald of Texas.

Volkart bros., N.Y. The farm problem. Cotton Digest, v.5,no.7, Nov.26,1932, p.4-5. (Published at Houston, Tex.)

Deals "with the Democratic farm relief program."

Discusses the domestic allotment plan and four-point program of the National Grange.

Williams, D.H. Behind the legislative scenes at Washington. Cotton Trade Journal, v.12,no.44, Nov.5,1932,p.2. (Published at New Orleans, La.)

Discusses the "Three-way bill," or S.4536, introduced by Senator McNary, which provides for three relief plans: the equalization fee, the export debenture, and the domestic allotment-guaranteed cost of production plan.

Williams, D.H. [Domestic allotment plan] Cotton Trade Journal, v.12,no.45, Nov.12,1932, p.2. (Published at New Orleans, La.)

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Williams, D.H. "Farm board abolition measures." Cotton Trade Journal, v.12,no.46, Nov.19,1932, p.2. (Published at New Orleans, La.)

Fourth article in series "Behind the legislative scenes at Washington."

Besides the Farm Board bills, those relating to futures exchanges, tare, classing and reduced production are mentioned.

MISCELLANEOUS--GENERAL

Associazione Italiana fascista degli industriali cotonieri. Annuario dell'industria cotoniera italiana, 1930. Milan [1932?] 1107 p.

Report on the Italian cotton industry, 1930.

Branan, Will. Grand old man of cotton. Cotton Digest, v.5, no.2, Oct.22,1932, p.11. (Published at Houston, Tex.)

Sketch of Col.H.G. Hester, secretary of the New Orleans Cotton Exchange.

Cotton industry research progress. Shirley Institute annual meeting. Textile Weekly, v.10,no.242, Oct.21, 1932, p.207. (Published at 49 Deansgate, Manchester, England)

Annual meeting of the British Cotton Industry Research Association held at Shirley Institute, Didsbury, Oct.19,1932.

Abstracts of addresses by H. P. Greg, Kenneth Lee and R. H. Pickard.

Cotton mill share investments. Companies overcoming world depression. I. Albert Mill co. (Oldham) ltd. Textile Weekly. v.10,no.246, Nov.18,1932, p.311-312. table. (Published at 49 Deansgate, Manchester, England)

[Hobbs. Franklin W.] Research work of Textile foundation. American Wool and Cotton Reporter, v.46, no. 45, Nov.10,1932, p.28, 48. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)
Report on "Research in progress or planned by the Textile Foundation."

[International cotton committee] Extracts from minutes of the meeting...held at...Lugano, Switzerland, on [14th-15th] October, 1932. International Cotton Bulletin, v.11,no.41, Oct./Nov.1932, p.1-16. illus. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Consideration of the recommendations of the American cotton moisture sub-committee: p.4-5. Includes illustration of H. Tobler's cotton bale sampling machine. Resolutions of the Sub-Committee for Moisture in American cotton: p.14-16.

Minutes include also plans for dealing with redundant cotton machinery, and state of trade reports.

Key men in the finishing works. I. The grey man, Textile Weekly, v.10,no.242. Oct.21,1932, p.210-211. (Published at 49, Deansgate, Manchester. England)

"In this new series of articles...our contributor outlines the duties of the pivot men who form the connecting link between Manchester merchants and the finishing end of the trade."

Millard, E.B. What scientific textile research can do for the textile industry. Southern Textile Bulletin. v.43,no.12, Nov.17,1932. p.3.18. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

Extracts from address at annual meeting of U. S. Institute for Textile Research, in New York, Nov.3. 1932.

Mississippi Agricultural experiment station. Forty-fifth annual report...June 30, 1932. State college, 1932. 64 p.

Brief sections on cotton. Grade, staple and price study (cooperative with U.S.Dept.of Agriculture):p.6. Breeding: p.11. Cotton aphids and cotton leaf bugs projects: p.30-31. Experiments at branch stations: p.49-50, 54-56, 62.

North Carolina Agricultural experiment station. Fifty-fourth annual report...for the fiscal year ending June 30, 1931. Progress report for year ending December 1, 1931. State College Station [1932] 130 p. illus., tables.

Reports studies on the following subjects: methods and practices employed in the production of cotton and tobacco; cost of producing cotton; marketing of North Carolina cotton, including grade and staple, production and consumption, price, buying and selling practices of ginners, and cooperation; soils, fertilizers and rotations; cotton inheritance, spacing and variety studies; fiber studies, including drag, cell-wall diameter, and effect of place and fertilizer on the fiber; cottonseed treatment for planting; biology of the homoptera and the *Aphis gossypii*.

Research institute's annual meeting. Reports show substantial progress in scientific and economic textile research in this country. American Wool and Cotton Reporter, v.46, no.45, Nov.10,1932, p.11-12,14-15. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Third annual meeting of the U.S. Institute for Textile Research at New York, Nov.3,1932. Lists of officers; abstract of address by E.B. Millard on Scientific Textile Research.

Also in Fibre and Fabric, v.85, no.2493, Nov.12,1932, p.6-10; and in Textile American, v.58, no.6, Dec.1932, p.6-7. Full report in Textile Research, v.3, no.2, Dec.1932.

Taube, H.R. Richard Arkwright and the early years of the industrial revolution. Mechanical Engineering, v.54, no.10, Oct.1932, p.677-684, 717. illus. (Published at Easton, Pa.)

History of the development of cotton mill machinery.

Illustrations from old prints show early types.

U.S. Dept. of agriculture. Bureau of agricultural engineering. Report of the chief...for the fiscal year ended June 30, 1932. Washington, U.S. Govt. print. off., 1932. 22 p.

Cotton-production machinery: p.16.-Pink-bollworm control: p.17-18.-Artificial drying of crops (Cotton included): p.18.-Ginning of cotton: p.18.

U.S. Dept. of agriculture. Bureau of chemistry and soils. Report of the chief...for the year ended June 30, 1932. Washington, U.S. Govt. print. off., 1932. 44 p.

Reports research on cotton utilization, flame-proofing of farm fabrics, nutritive value of cottonseed meal, cotton soil-fertility studies, and cotton root-rot investigations.

West Indies (British) Imperial dept. of agriculture.
Report on the agricultural department. St. Kitts-
Nevis, 1931. Barbados, 1932. 33 p.
Cotton: p.6,12-13, etc.

Wooton, Paul. Washington sees challenge to textile
industry. Textile World, v.82, no.5, Nov.1932, p.990.
(Published at 330 West 42d St., New York, N.Y.)

"First of a series of monthly letters."

"The need for thorough-going research is seen as the
most important lesson of the depression."

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C O T T O N R E P O R T S

ISSUED CURRENTLY BY
UNITED STATES GOVERNMENT DEPARTMENTS

U. S. Department of Agriculture, Bureau of Agricultural Economics

Crop Reports (Summarized in Crops and Markets, which is issued monthly).

Grade and Staple Reports:

Grade, Staple Length and Tenderability of Cotton Ginned in the United States: to be issued Jan. 6, Feb. 10, Apr. 14, 1933.

Weekly Grade and Staple Summary: issued Fridays during height of ginning season.

Market News Reports:

American Cotton Linters Price Report: issued Thursdays.

Daily Official Report of the Designated Spot Cotton Markets.

Staple Cotton Premiums: issued Saturdays.

Weekly Cotton Review: issued Saturdays.

Weekly Market Bulletin: issued Fridays, in cooperation with the California Department of Agriculture.

World Cotton Prospects: issued monthly.

U. S. Department of Commerce, Bureau of the Census

Activity in the Cotton Spinning Industry: issued monthly, about the 20th.
Cotton Consumed, on Hand, Imported and Exported, and Active Cotton Spindles: issued monthly, about the 14th.

Cottonseed Received, Crushed, and on Hand, and Cottonseed Products Manufactured, Shipped out, on Hand and Exported: issued monthly about the 12th.

Report on Cotton Ginnings: reports on 1932 crop to be issued Jan. 23, Mar. 20, 1933.

U. S. Department of Commerce, Bureau of Foreign and Domestic Commerce

Foreign Yarn Trade Notes: issued monthly.

International Knit Goods News: issued monthly.

Weekly Cotton Service Bulletins: issued weekly.

What the World's Cotton Goods Markets are Doing: issued weekly.

